

AMASONIA SPRUCEANA Moldenke

Additional & corrected literature: Bocq., *Adansonia* 2: 219. 1862; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 30, 32, 36, 71, & 86. 1942; Moldenke, *Alph. List Cit.* 1: 132 (1946) and 2: 331, 337, & 448. 1948; H. N. & A. L. Moldenke, *Pl. Life* 2: 84. 1948; Moldenke, *Alph. List Cit.* 3: 694, 955, & 956 (1949) and 4: 1004. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 59, 62, 75, 156, & 176. 1949; Moldenke, *Phytologia* 4: 456. 1953; Moldenke, *Résumé* 65, 70, 87, 213, & 442. 1959.

Schultes reports that the bracts of this species are scarlet, the corolla green-yellow, and the fruit green. He collected the plant in flower in October, and in fruit in October and November, growing at altitudes of 600 to 850 feet.

Bocquillon (1861 & 1862) seems to base his discussion of *A. punicea* Vahl on Spruce 3288, which is the type collection of *A. spruceana*. His illustration, which is to typify the genus, however, seems to be based on a Leprieur specimen [1839] which he identified as "*Amasonia erecta* L." (this accreditation of the binomial to Linnaeus the elder is 77 years earlier than the 1939 citation given by me for it in *Phytologia* 4: 455). He uses the same accreditation on page 163 (1861) and 219 (1862) of his work as originally published in the second volume of *Adansonia*.

Additional citations: COLOMBIA: Vaupés: Schultes, Baker, & Cabrera 17949 (W-2113111), 18066 (W-2113112). BRAZIL: Pará: Black, Ledoux, & Accioly 52-14204 (Z).

ADDITIONAL NOTES ON THE GENUS BAILLONIA. I

Harold N. Moldenke

BAILLONIA Bocq.

Literature: Dumort., *Anal. Fam. Pl.* 22. 1829; Bartl., *Ord. Nat. Pl.* 180. 1830; Lindl., *Nat. Syst. Bot.*, ed. 2, 278. 1836; Endl., *Gen. Pl.* 633-638. 1838; Meisn., *Pl. Vasc. Gen.* 290-292. 1840; Schau. in A. DC., *Prodr.* 11: 524-525. 1847; Bocq., *Adansonia* 2: 89, 109, 127, 130, 142, 146, & 147. 1861; Bocq., *Rev. Groupe Verbenac.* 9, 29, 47, 50, 62, 66, & 67. 1862; Bocq., *Adansonia* 2: 184, 185, 246-247, & 251, pl. 7. 1863; Miers, *Trans. Linn. Soc. Lond. Bot.* 27: 102-103. 1870; Benth. in Benth. & Hook. f., *Gen. Pl.* 2: 1132-1136 & 1143-1144. 1876; Benth., *Journ. Linn. Soc. Lond.* 20: 304-308. 1884; Baill., *Bull. Soc. Linn. Paris* 2: 880. 1890; Hook. & Jacks., *Ind. Kew.* 1: 264. 1893; S. M. Moore, *Trans. Linn. Soc. Lond.*, ser. 2, 4: 437-439. 1895; Briq. in Engl. & Prantl, *Nat. Pflanzenfam.* 4 (3a): 144 & 152-153. 1895; Kuntze, *Rev. Gen. Pl.* 3 (2): 250. 1898; Durand & Jacks., *Ind. Kew. Suppl.* 1: 50. 1901; Thiselt.-Dyer, *Ind. Kew. Suppl.* 2: 23. 1904; Briq., *Ann. Conserv. & Jard. Bot. Genève*.

7-8: 316. 1904; Junell, Symb. Bot. Upsal. 4: 37--38, 47--50, & 213--214, fig. 89 & 90. 1934; Moldenke, Phytologia 1: 97--98. 1934; Moldenke in Fedde, Repert. 41: 135. 1936; Moldenke, Geogr. Distrib. Avicenn. 1, 25, 28, 29, & 35. 1939; Moldenke, Darwiniana 5: 166--177. 1941; Moldenke, Phytologia 2: 50. 1941; Moldenke, Prelim. Alph. List Invalid Names 6 & 16. 1940; Moldenke, Alph. List Invalid Names 5, 6, & 14. 1942; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 36, 40, 42, 71, & 86. 1942; Moldenke, Alph. List Cit. 1: 11, 27, 200, 263, & 313 (1946) and 2: 458, 553, 599, 627, & 629. 1948; H. N. & A. L. Moldenke, Pl. Life 2: 24, 31, 44, 46, 47, & 49, pl. 9, fig. 7 & 9. 1948; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 75, 96, 98, 102, 156, & 176. 1949; Moldenke, Alph. List Cit. 3: 705, 748, 788, 869, & 893 (1949) and 4: 1020, 1035, 1113, & 1114. 1949; Hoehne, Ind. Bibl. & Num. Pl. Col. Com. Rondon 347. 1951; Moldenke, Phytologia 5: 154--159. 1955; Moldenke, Résumé 87, 113, 115, 123, 213, 236, 256, 407, 423, & 442. 1959.

Since the publication of my original monograph of this small genus in Darwiniana 5: 166--177 (1941) some additional information about it has come to hand and will be published in a series of "Additional notes", of which this is the first. A list of the 259 institutional and private herbaria whose material has been examined, in whole or in part, in my monographic studies of the genera of Verbenaceae, Avicenniaceae, Stilbaceae, and Symphoremaceae, with the abbreviations used for each in my citation of herbarium specimens, will be found in Phytologia 5: 154--159 (1955), 6: 242 (1958), 7: 91--92 (1959), and 7: 123--124 (1960) with the following additions:

Dt = Jesup Herbarium, Dartmouth College, Hanover, New Hampshire
 Fg = Arizona State College, Flagstaff, Arizona
 Gp = Ontario Agricultural College, Guelph, Ontario, Canada
 Ih = Instituto de Historia Natural, Curitiba, Paraná, Brazil
 Nb = Stephen F. Austin State College, Nacogdoches, Texas

Bocquillon, in Adansonia 2: 89 (1861), says "Les Baillonia ont pour fruit une drupe à deux noyaux latéraux, uniloculaires et monospermes. Ils sont aux Citharexylum ce que le Blairia est aux Priva. He bases his concept of the genus on Weddell 2193 and 3208. His work is cited by Stapf and others as "Bocq. in Baill., Adansonia". His thesis "Revue du groupe des Verbénacées" was plainly credited only to him on the title-page, as it was also when published in "Adansonia", but was dedicated by him "A mon père et a ma mère / a mon excellent maitre et ami M. H. Baillon". Stapf cites a plate 6 in the "Revue" and a plate 7 in "Adansonia", but I have seen neither of these plates -- there is no plate 7 in the New York copy of these works, while plate 6 depicts only Vitex incisa in the New York Botanical Garden copy.

Additional names for species excluded from the genus are the following:

Baillonia glauca Elliott ex Moldenke, Prelim. Alph. List Invalid Names 6, in syn. 1940 = Diostea juncea (Gill. & Hook.)

Miers

- Baillonia juncea Benth. ex Moldenke, Alph. List Invalid Names 6, in syn. 1942 = Diostea juncea (Gill. & Hook.) Miers
- Baillonia juncea Benth. & Hook. ex Moldenke, Alph. List Invalid Names Suppl. 1: 2, in syn. 1947 = Diostea juncea (Gill. & Hook.) Miers
- Baillonia juncea (Gill. & Hook.) Benth. & Hook. f. ex Moldenke, Prelim. Alph. List Invalid Names 6, in syn. 1940 = Diostea juncea (Gill. & Hook.) Miers
- Baillonia spicata Baill. ex Moldenke, Alph. List Invalid Names Suppl. 1: 2, in syn. 1947 = Citharexylum ligustrinum Van Houtte

BAILLONIA AMABILIS Bocq.

Literature: see bibliography given under the genus as a whole.

Illustrations: Bocq., Rev. Groupe Verbenac. pl. 6. 1862; Bocq., Adansonia 2: pl. 7. 1863; Briq. in Engl. & Prantl, Nat. Pflanzenfam. 4 (3a): 150, fig. 58 E & F. 1895; Junell, Symb. Bot. Upsal. 4: fig. 89 & 90. 1934; H. N. & A. L. Moldenke, Pl. Life 2: pl. 9, fig. 8 & 9. 1948.

Recent collectors describe the corolla as yellow and the plant as a shrub 1--4 meters tall, with light bark, blooming also in February and June, found at altitudes of 100 to 506 meters on sandstone hill slopes, in swamps and palm woods, and at the edge of lagoons that are half-submerged at flood time. One of the Anisits 2098 specimens cited from the Stockholm herbarium in my original monograph has now been transferred to the Britton Herbarium at the New York Botanical Garden. The cotype collection, Weddell 2193, is erroneously listed as "3193" by me in my Alph. List Cit. 4: 1113 (1949).

Additional citations: PARAGUAY: Fiebrig 1207 (S), 1207a (S); Hassler 2638 (Ca--929811, N), 2638a (N); T. Rojas 1893 [Herb. Hort. Parag. 10076; Herb. Osten 13560] (S, Ug); Sandeman 4832 (K); Weddell 3208 (B--cotype). BOLIVIA: Santa Cruz: Cárdenas 4522 (N). ARGENTINA: Formosa: I. Morel 825 (N, S); Jürgensen 1983 [Herb. Osten 13792] (Ug).

BAILLONIA AMABILIS var. PUBESCENS Moldenke

Literature: Moldenke, Phytologia 2: 50. 1941; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 36 & 86. 1942; Moldenke, Alph. List Cit. 2: 553. 1948; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 75 & 176. 1949; Hoehne, Ind. Bibl. & Num. Pl. Col. Com. Rondon 347. 1951; Moldenke, Résumé 87 & 442. 1959.

This variety differs from the typical form of the species in having its twigs, branchlets, petioles, and both leaf-surfaces densely short-pubescent, the rachis and bracts densely puberulent or short-pubescent, and the calyx more or less puberulent.

The type of the variety was collected by Frederico Carlos Hoehne [Com. Rondon 4739] at Triumpho, Rio São Lourenço, Matto Grosso, Brazil, in February, 1911, and is deposited in the herb-

arium of the Departamento do Botânica do Estado at São Paulo, Brazil.

Citations: BRAZIL: Matto Grosso: F. C. Hoehne, Com. Rondon 4739 (N--isotype, N--photo of type, Sp--type, Z--photo of type).

ADDITIONAL NOTES ON THE GENUS BOUCHEA. III

Harold N. Moldenke

Since the publication of my monograph of this genus and the first two series of additional notes thereto, numerous additional specimens have been examined and supplementary information has come to light. Full explanation of the abbreviations used for the names of herbaria in which specimens are deposited will be found in *Phytologia* 5: 154--159 (1955), 6: 242 (1958), 7: 91-92 (1959), 7: 123--124 (1960), and 7: 343 (1961).

BOUCHEA Cham.

Additional & corrected literature: L., *Syst. Nat.*, ed. 10, 852. 1759; Walp., *Repert. Bot. Syst.* 4: 11--12, 34, & 38--39. 1845; Turcz., *Bull. Soc. Nat. Imp. Mosc.* 36 (2): 199. 1863; Jacks., *Ind. Kew.* 2: 974. 1895; Moldenke, *Alph. List Cit.* 1: 2, 5--8, 10, 11, 13--15, 17, 21, 26, 28--31, 33, 38--41, 45, 48, 49, 52, 53, 55, 57, 62--66, 74, 76, 79, 88, 92, 94, 106, 107, 115, 117, 118, 120, 121, 125, 127, 128, 131, 133, 134, 136, 139, 140, 148, 160--162, 169--171, 177--185, 188--190, 192, 194--198, 202, 203, 208, 209, 212, 216--218, 223, 227, 228, 232--234, 236, 238, 241--243, 247, 248, 250, 255, 258--261, 266, 269, 271--274, 277, 285, 286, 299--303, 305--309, 311--316, 318, 319, 321, & 323--325 (1946), 2: 327--329, 331, 333, 336--338, 340, 342, 344, 346--350, 352, 353, 361, 365, 368, 371, 377, 392, 394, 395, 401--403, 408, 413, 415--417, 422--430, 434, 436, 437, 442, 446--449, 459, 473, 474, 477, 478, 486, 489, 499, 500, 503, 518, 525, 528--530, 533--536, 539--543, 549--553, 557, 558, 561, 563, 564, 570, 578, 595, 596, 601, 603--607, 610--612, 616, 618, 621, 623, 625, 626, 629, 631, 633, 639, 642, 645, & 652 (1948), 3: 653, 654, 656, 658, 659, 663, 664, 666, 670, 675--677, 679, 683--686, 690, 691, 695, 705, 706, 710--714, 716, 717, 720, 722, 726, 729, 730, 738, 741, 748, 749, 754, 755, 759, 766, 768, 772, 779, 783, 785, 786, 788, 789, 796, 798--800, 803, 807, 808, 811, 813, 814, 817--819, 822--826, 828--830, 833, 834, 838, 842, 843, 845, 848, 853--856, 862, 865, 871, 872, 876--878, 883--886, 888--891, 893, 894, 898, 903, 904, 906--908, 911, 915, 918, 919, 921, 923, 924, 927--930, 933, 935, 937--939, 948, 951, 952, 956, 958, 961, 964, 968--970, 974, & 977 (1949), and 4: 979, 981, 982, 991, 993, 995, 997, 1001, 1006, 1010, 1012, 1013, 1015, 1016, 1019, 1020, 1022, 1024--1028, 1030--1033, 1035, 1037--1047,